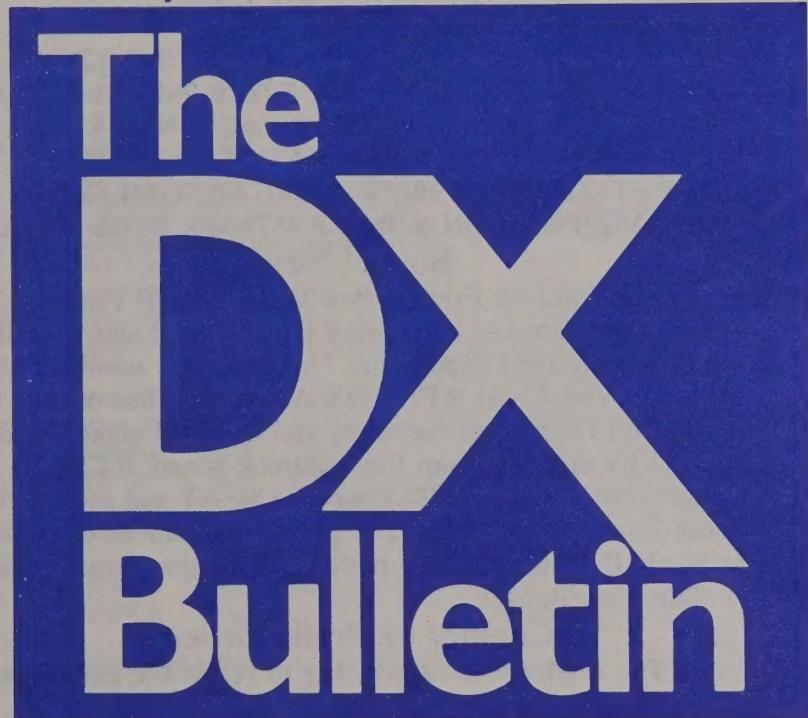


DXpedition News

Pacific Mats Persson SM7PKK has started his six-month Pacific DXpedition. First stop is American Samoa KH8, where he will operate the CQWW SSB test as **KH8/SM7PKK**. (He cannot use the KS6 prefix.) At the end of October he joins the OH1RY group going to Tokelau ZK3, until mid-November. Next stop, until Dec. 5, is Western Samoa, where he'll be on as **SW1HK**. Additional stops, depending on transportation and finances, include Rotuma 3D, Tuvalu T2, Western Kiribati T3Ø, and South Cooks ZK1. QSL home call, using separate return envelopes for each callsign. More information is in Issue 500.

Bahamas - C6 Eddie GØAZT/W6 and Don AA5AU will operate **C6A/** to Nov. 1, on CW, RTTY, and 10-meter SSB. QSL Eddie to Box 5194, Richmond CA 94805, direct only. QSL AA5AU to *Callbook* address.

Edited by Chod Harris VP2ML



America's Premier Weekly Amateur Radio Publication

Reserve Your Island - CQWW SSB

- The **VP2VDX** and **VP2MU** operations have been cancelled, due to damage from Hurricane Hugo.
- Walter DJ6QT will be on from **S92LB** in the test. Walter will be on RTTY before and after the test, and will train Luis in the use of the RTTY gear, donated by JA1ACB.
- **RB8M** will be the contest call of the UB4MZL club, in the multi-multi category. QSL to Box 59, Lisichansk, Ukraine 349900, USSR.
- **VP9AD** will be active in the multi-multi category.
- ON5SY will operate **BV2A** in the test. He's in Taiwan to Oct. 31.
- **PJ8T** on St. Maarten is the contest call of Southeastern DX Club members Mike K4PI, and Wayne KN4B, with help from W3BXT. Mike and Wayne will sign **/PJ7** outside the test, to Oct. 31, 30 kHz up on CW, and 28490 kHz on SSB. QSL respective home calls, and QSL PJ8T to K4PI.

October 27, 1989

Issue 510

Reserve Your Island - CQWW CW

- **JWSNM** will be active Nov. 22-29, including the CW test, operated by Math LA5NM. 20 kHz up from the bottom of the bands on CW, and 3784, 7070 (listening 7180), 21240, 21240, and 28540 kHz on SSB. QSL Box 210, 9401 Harstad, Norway. Math says **JW8XM** and **JW9XG** will also be active Nov. 24-27.
- **T32BE** (WC5P) and **T32BO** (WD5F) will be on Christmas Island Nov. 22-28, mostly CW, with some SSB and RTTY. QSL home callsigns.
- **KHØAM** is the call of JE1CKA, in a single-op, all-band operation from Saipan. QSL home call.

Shortly Noted

- **VP8BXK** is Paul Chatfield, on Signy Island, in the South Orkney Group. He likes the French DX Foundation net on 14256 kHz at 0000Z.
- **HISØØUD** will be active Dec. 2-3, CW and SSB, 160-10 meters, celebrating the 500th anniversary of the discovery of America. QSL HI8LC.
- **LU6ELF/D2A** has been active in a list operation on 21340 kHz at 1800Z. No word on operating permission or DXCC documentation.
- **XW5PP** operation by HA5PP is now scheduled for early November. The XW5PP on 20-meter CW was a pirate.
- **FJ/DL7FT** is Frank Turek on St. Barthélemy, which counts for St. Martin FS for DXCC.
- **A7AJ** has been checking into SSB nets.
- **FT/X**: Beginning in mid-November, there will be three amateurs on Kerguelen: Francois **FT5XH** (F6GYV) and Yves **FT4XI** (FD1PYV) join **FT5XA**. QSL routes: FT5XA via FD1ITD; FT5XH via F2CW; and FT4XI via the French DX Foundation (F6EEM). [Thanks DXNS.]
- **FT4ZE** Michele leaves Amsterdam Island at the end of October, and the replacement team does not include any amateurs. Amsterdam will be scarce on the bands again soon. Best place to catch Michele before she leaves: the French DX Foundation net on 14256 kHz around 0000Z.
- **JA4GXS/JD1** will be active from Chichi Jima Retto Island in the Ogasawara group (AS-31) Nov. 2-5, on 0-10 meters, CW and SSB. QSL home call. [Thanks Japan DX News.]
- **YI1BGD** operator Ali, who has been very active on 10-meter SSB, will give CW contacts on request. QSL Ali to Box 7075, Baghdad.
- **UI8CD** is located in Oblast 189, not 049.
- **Six Meters**: Terry N6CW, unable to go to British Virgin Islands (see above) will instead go to Hawaii, and operate 6 meters **/KH6** from BL02 Oct. 27-Nov. 4. QSL home call. And Alan **EL2FO** is on Six, but has worked only Europeans.
- **RTTY**: Active stations: **5Z4BH** 21090 1715Z; **SVØGB** 14090 1800Z; **9J2AL** 21085 1900Z; **TU2BB** 14087 2030Z; **SV5TS** 14091 0400Z; **A22BH** 28098 0920Z; **ZS8MI** 14084 1500Z; **TJ2MW** 14086 1940Z; **TU2OP** 14074 2300Z; **P29KK** 21078 0000Z; **FK8AH** 14074 ARQ 0500Z; **UH8ABM** 28094 1530Z; **9K2DR** 14074 ARQ 0515Z; **TR8KMJ** 14083 1945Z; **VQ9SS** 14076 FEC 1000Z; **6W1FJ** 21092 2200Z; **RL8PYL** 14092 1445Z.

Propagation

Forecast and Historical Data

Day	Forecast	27 Days Before	55 Days Before						
		Date	Flux	A	K	Date	Flux	A	K
<u>October 1989</u>									
27	Above Normal	9/30	201	09/11	3	9/02	231	09/12	2
28	High Normal	10/01	198	16/17	2	9/03	242	12/11	1
29	Above Normal	10/02	207	08/08	2	9/04	242	18/29	2
30	High Normal	10/03	221	14/12	3	9/05	261	18/25	2
31	Above Normal	10/04	236	07/08	2	9/06	278	15/15	3
<u>November 1989</u>									
01	Above Normal	10/05	219	04/06	1	9/07	305	17/18	3
02	Above Normal	10/06	219	12/09	3	9/08	295	16/16	2
03	High Normal	10/07	225	13/11	3	9/09	305	09/11	3
04	Above Normal	10/08	209	07/08	1	9/10	295	09/12	2
05	Above Normal	10/09	201	09/09	2	9/11	299	03/05	1
06	Above Normal	10/10	195	10/09	2	9/12	288	11/12	1

Propagation Watch

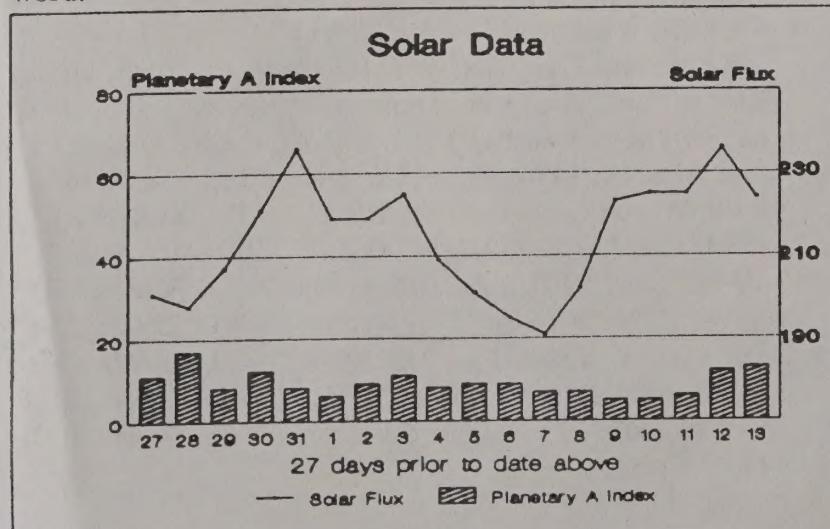
The magnificent band conditions came to a grinding halt October 19, when a very powerful flare disrupted propagation. The very large sunspot region 5747 emitted a Class X flare at about 1300Z on Oct. 19, which essentially eliminated propagation on the higher bands, and boosted absorption on the lower bands. Unfortunately, region 5747 was on the center of the sun at this time, so the charged particles from the flare were aimed directly at the earth.

In sharp contrast to the wall-to-wall DX on 10, 12, and 15 meters, these bands produced little but hiss. Conditions on the polar path were even worse, thanks to a Polar Cap Absorption (PCA) event. Since most long-path propagation depends on good band conditions around the poles, that propagation mode also dried up. As the HF bands began to come back to life after the geomagnetic storm, 6 meters went wild, with excellent signals on very long paths.

Fortunately, the quieter side of the sun is due to rotate in our direction over the next two weeks, so we should see considerable improvement in the bands as November approaches. Look for a gradual reduction in solar flux, but not enough to lower the maximum useable frequency (MUF) below 28 MHz. The geomagnetic field should settle down, and DXers will once again find the bands filled with stations.

While it is unlikely that DXers will enjoy another run of fine propagation such as we had in September and October, we can continue to expect band conditions much better than average over the next few weeks. In the absence of a major flare such as the one on Oct. 19, the DXing should be excellent. Keep an ear on WWV at 18 minutes after the hour, or WWVH at 45 minutes after the hour, for the latest word.

Solar Data



Regulars

■ Arctic	4K0F	7003	1100Z
■ Armenia	UG6GAW	28010	11-1400Z
■ Ascension	ZD8VJ	7010/0000Z	14025/0030Z
■ China	BY4RB	28030	0020Z
■ East Malaysia	9M8PV	28546	0020Z
■ East Malaysia	9M6HF	14022	1600Z
■ Iraq	YI1BGD	10M SSB	12-1700Z
■ Johnston Is.	KN0E/KH3	28020	2100Z
■ Kuwait	9K2HA	28600	+/- 1300Z
■ Kuwait	9K2KS	28600	+/- 1130Z
■ Marshall Is.	KX6DC	28027	0045Z
■ Mauritius	3B8CF	21028	0300Z
■ South Shetlands	HL5BDS	21012	2345Z
■ Sovereign Bases	ZC4WP	28550	1300Z
■ Tadzhikistan	UJ8KAA	15M SSB	0300Z
■ Taiwan	BV2DA	28010	0000Z
■ Tanzania	5H3TW	28025	17-2100Z
■ Uzbekistan	UI8CD	21225/0300Z	28500/1200Z
■ Vatican	HV3SJ	28490	1500Z
■ Zaire	9Q5DX	10M CW	1430Z
■ Zone 23	RV0YF	21010	0030Z
■ SSB net check-ins:	7159 kHz: VK0GC 5V7DP TZ6VV TU2UI ZD8RP ZD8BOB; 14227: TZ6PS 9M2HB BV2FA VK0GC UI8CD YK1AA; 14250: A61AC D44BS YK1AA TL8WD; 14256: VP8BXK D44BS 6W1AAD VP8BUB 9K2KS FT4ZE; 21335: 3B8FP A61AC OE5GML/YK 5V7DP VQ9PN HL5BDS 9X5KP 4S7NMR ZS1IS HZ1AB.		

Bouvet News

The *Saturday Evening Post* Society 3Y0B Bouvet DXpedition team has announced that Martti Laine OH2BH will be joining the DXpedition. The crew now numbers 18. Also, the West Coast RTTY DX Association has offered to provide RTTY gear to the crew, and they will make the first ever RTTY contacts from the Antarctic island. RTTY operator will be WB9CEP. Finally, AMSAT will modify the Oscar 13 operating schedule to permit continuous operation on Mode B. This will allow better and longer access to the satellite from Bouvet.

Country or Prefix Order?

The reader vote on whether to retain the entries in the Calendar in country order, or change to prefix order, came out overwhelmingly in favor of country name, as it is less ambiguous, and changes less often. Thanks to the more than 100 readers who voted!

In other reader-requested changes, The DX Bulletin will limit use of the slashed zeros (Ø) to callsigns. Many readers commented that the slashed zeros in frequencies, times, etc., was unnecessary, and looked cluttered.

Also, at the suggestion of Maurizio Bertolino I121171 (SWL), the Shortly Noted column has a new look. Each item begins with a bold-faced callsign or prefix for quick identification.

Finally, the Regulars column has been rearranged, with each item on a separate line, with the country name in boldface, and the items placed in alphabetical order by country name. This should make this feature easier to use. (Regulars are those stations reported by five or more Bandpass reporters, on more than three different days. The time given is usually the earliest the station has been reported. Additional reports are in Bandpass.)

Any other suggestions for improvements?

B . A . N . D . P . A . S . S

Key to Bandpass: Callsign, frequency, UTC, day of the month, state. * = long path. P = packet.
All "portable" calls listed with country of operation first, regardless of format used on the air.

RTTY	VU2TEC	14017	1118	11	FL	HS1BV	21345	1826	13	IL	3G6MBQ	28492	2325	22	CA
5H1HK	21085	0100	17	OH	HV3SJ	21290	1143	5	NS	3V8AB	28490	1818	11	NH	
EA9JV	28086	1520	14	OH	HV3SJ	21294	1830	7	FL	3V8PS	28494	1641	17	CA	
HP1AC	28094	1703	13	NH	J28DN	21258	2234	14	WV	3X1SG	28530	1446	8	MD	
OD5NG	28088	1402	14	MN	JT1KAI	21247	0200	10	OH	4U1WB	28467	1218	15	VA	
UA3TY	14091	0022	18	FL	KG4DD	21307	0153	14	ME	5N29FEA	28486	2100	12	CA	
UT5RP	21083	1345	14	OH	TU2UI	21257	0442	15	IL	5T5CK	28433	1625	10	AZ	
YI1BGD	28083	1655	7	WA	UA1OIL	21244	1137	5	NS	5T5CK	28534	2229	13	MD	
160 Meters	20 Meter SSB				Franz Josef Land					9J2BO	28553	1705	12	WA	
KH6CC	1832	0420	11	WA	UA9KDX	21261	0303	13	IL	9K2HA	28580	1250	12	TX	
KX6DC	1831	0647	15	WA	UA9ZL	21261	0412	13	IL	9K2KS	28560	1125	14	NJ	
KX6DC	1831	1031	3	MA	UI8CD	21263	0305	14	OH	9M8PV	28545	0022	15	MA	
80 Meters	20 Meter SSB				UI8FM	21234	0253	13	IL	9M8PV	28512	1305	14	NJ	
KH3/KNOE3503	1125	14	IA	UI8ZAA	21326	0305	14	OH	9X5NH	28594	1350	15	NJ		
UG6GAW	3509	0141	14	MA	UI8ZAC	21295	0328	15	SC	A41KA	28595	1447	15	IL	
75 Meters	20 Meter SSB				UJ8KA	21315	1620	12	WA	A7AJ	28552	1419	6	NS	
5H3TW	3799	0303	19	MA	UJ8KAA	21221	0300	19	OR	AP2IS	28650	1300	14	IL	
5T5CK	3794	0533	14	MO	UJ8XA	21245	0159	16	NY	BY4RB	28483	0050	18	IL	
BY1PK	3799	1326	18	OR	UL7JV	21276	0202	11	WV	BY8AC	28518	0048	15	VA	
BY4RB	3794	1348	16	OR	UL7NW	21297	0345	14	SC	FR5EL	28440	1530	10	AZ	
BY9GA	3799	1334	18	OR	UL7VV	21229	0404	14	KY	HV3SJ	28480	1440	9	WV	
Zone 23	20 Meter SSB				XT2BW	21341	2120	9	WV	J28DN	28580	1233	14	RI	
HZ1AB	3798	0237	19	MA	YK/	21242	1542	12	NS	J28DN	28580	2115	14	OH	
KG4SM	3792	0124	7	FL	OE5GML					JX7DFA	28417	1549	13	MO	
OH2JA *	3789	1415	12	WA	ZD7DP	21323	2248	14	RI	KX6HE	28498	0110	23	CA	
VK0GC	3797	1145	16	AL						P29KN	28426	0007	15	KY	
VK6HE	3796	1207	11	IN						TF3CW	28536	1410	15	MN	
YB3ASQ	3793	1230	12	OR						TT8GA	28470	1124	8	MA	
YC8RFF	3799	1330	9	WA						UG6GAW	28504	1125	15	NY	
40 Meters	17 Meter CW									UH8ABD	28595	1318	14	RI	
4K0F	7002	0725	17	OR						UH9WWA	28596	1245	14	NJ	
5H3TW	7005	2311	11	IN						UI8CD	28502	1150	14	NJ	
BY9GA	7005	1415	18	OR						UI8ZAA	28395	1116	13	NY	
Zone 23	17 Meter CW									UL7VAS	28549	0208	13	WA	
EA8AB	7020	0230	14	IN						V85AH	28578	0115	23	CA	
KH3/KNOE7002	1145	14	IA							VK0GC	28520	2325	14	NS	
OY1CT	7005	2358	11	KY						YI1BGD	28554	1210	16	IL	
PZ1DV	7002	0232	11	IN						ZC4RF	28522	1336	6	FL	
PZ1DW	7026	0511	19	OR						ZC4WP	28564	1320	11	IN	
RV0YF *	7004	1100	12	MA						ZD7JAM	28508	2318	22	CA	
Zone 23	15 Meter CW									ZD7XY	28508	2330	22	CA	
TF3SZ	7004	0957	12	FL						6 Meters					
UA1OIL	7006	1135	17	MT						5B4AZ *	50105	0841	13	HI	
Franz Josef Land										8P6JW	50110	1350	18	ME	
UG6GAW *	7003	1355	12	WA						9H1BT *	50125	0942	13	HI	
V85AA	7004	1045	13	MA						9Y4VU	50110	1345	18	ME	
V85DA	7003	1407	18	OR						AH6IO	50130	1906	22	CA	
VQ9SS *	7006	1314	12	MT						EI5FK	50110	1117	14	NS	
ZD8VT	7012	0035	13	IA						F6DBI	50109	1125	14	NS	
ZD8Z	7003	0332	19	MA						GJ4ICD	50110	1137	13	NS	
30 Meters	CE0OGZ									GM4DGT	50110	1151	14	NS	
EA8ATB	10120	0435	13	SC						GW3MHW	50110	1207	13	NS	
UR2QP	10105	0223	6	MA						HC2FG	50115	1352	19	ME	
20 Meter CW	CE0OGZ									JA4MBM	50110	2235	14	OR	
4K1F	14012	0945	10	FL						JE1BMJ	50140	2230	15	CA	
4S7EA	14004	2347	5	MI						KH3/KNOE	50108	2225	17	CA	
6W1AAD	14003	2335	11	WA						PA0OOS	50110	1159	14	NS	
7X2FK	14038	0555	15	PA						SV1AB *	50120	0932	13	HI	
9J2AL	14041	0525	13	CO						SV1DH *	50115	0830	13	HI	
9J2BO	14062	1255	15	IL						T12NA	50120	1430	19	ME	
9M6HF	14022	1541	17	OR						V31PC	510126	1435	19	ME	
9Q5UN	14021	0555	17	CO						VK2ZXC	50107	2219	14	CA	
A61AC	14054	0100	13	MI						VK4ZJB	50115	2355	22	CA	
BV2A	14004	1500	11	WA						YN3CC	50110	1345	18	ME	
EL7X	14017	0610	11	CA						YV5/	50115	1400	18	ME	
HS0B	14026	1143	10	CA						DL3ZM					
JT1KAI	14036	0335	18	OR						ZC4MK *	50105	0851	13	HI	
UH8AAG	14052	0145	11	GA						ZK1CG	50110	0636	11	CA	
UM8QA	14017	0213	7	MA						ZK1WL	50115	2339	22	CA	
VQ9DM	14014	1500	11	WA						North Cooks					
										ZL1AXB	50110	0045	17	OR	
										ZL1BIC	50115	2240	17	CA	
										ZL3NE	50105	0010	14	CA	
										ZS3E	50103	1524	23	ME	
										ZS3KC	50123	1530	23	ME	

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Calendar

Issue 510 - October 27, 1989

(Changes and hot info in boldface.)

American Samoa - KH8	KH8/SM7PKK to Oct. 30	I500	Ogasawara	I510
Angola - D2	LU6ELF/D2A 21340 kHz 1800Z	I510	Pagalu - 3CØ	I509
Armenia - UG	by PAA Nov. 9-19	I506	Qatar - A7	I510
Aruba - P4	UG6GAW 28010 11-1400Z	I510	Rotuma - 3D	I508
Ascension Is. - ZD8	P4ØGD by W2GD CQWW CW	I500	Sao Tome - S9	I508
Bahamas - C6	ZD8VJ 14025/7070 kHz 0030Z	I510	Somali - T5	I509
Brunei - V8	GØAZT, AA5AU to Nov. 1	I510	South Orkneys - VP8	I510
Burkino Faso - XT	Nov. 24-27, CQWW CW by N2OO	I508	South Shetlands	I508
Chagos - VQ9	XT2KG by Colvins to mid-Nov.	I509	Sovereign Bases - ZC	I510
China - BY	VQ9TC 14010-020 12-1400Z	I509	Sri Lanka - 4S	I510
Christmas Is. - T32	VQ9SS 3503 2300Z, 7002 01,14Z	I509	Sudan - ST	I509
East Malaysia - 9M6	BY4RB 28027 0000Z, 21028 00Z	I510	Swalbard - JW	I510
East Malaysia - 9M8	BY9GA 21027 2330-0200Z	I508	Tadzhikistan - UJ	I510
Easter Island - CEØ	T32BE, BO Nov. 22-28	I510	Taiwan - BV	I510
Equatorial Guinea	9M6BS Nov. 16-23	I508	Tanzania - 5H	I510
Fiji - 3D	9M8PV 28546 0020Z	I510	Tokelau - ZK3	I509
French Polynesia - FO	9M6HF 14022 1600Z	I510	Tonga - A3	I509
Guadeloupe - FG	9M8AX Oct. 28-Nov. 7	I508	Uzbekistan - UI	I509
Hong Kong - VS	CEØFFD 10M CW 2230Z	I509	Vatican - HV	I509
Iraq - YI	by SMØAGD Nov. 1-6	I509	Western Samoa - 5W	I509
Johnston Is. - KH3	3D2ML Oct. 18-23, Nov. 23-27	I503	Zaire - 9Q	I509
Juan Fernandez - CEØ	FOØMGZ 14015 0445Z	I509	Zone 23	I509
Kerguelen - FT-X	CEØOGZ 7010 02-0400Z	I509	Date	DX Activities and Contests
Kuwait - 9K	three ops in mid-Mov.	I510	Oct. 28-29	Event or Activity
Laos - XW	9K2HA 28600 +/- 1300Z	I510	CQWW SSB Contest	Info
Lesotho - 7P	9K2KS 28600 +/- 1130Z	I510	Contributors	CQ
Macao - XX	XW5PP November	I510	This Issue of <u>The DX Bulletin</u> would not have been	
Madeira - CT3	7P8DP 21270 0500Z	I509	possible without the invaluable assistance of the following:	
Mali - TZ	by N2OO et al Nov. 28-Dec. 2	I508	KH6BZF, SESC, AB8K, DXNS, GØAZT, HI3LFE, I121171,	
Marianas - KHØ	VHF, low bands Nov. 16-30	I508	Japan DX News, K0CVD, K0PP, K1JKS, K1NIT, K1VSJ,	
Marion Island - ZS8	TZ6VV 21270 2100Z	I509	K2JOZ, K2OLG, K2PEQ, K2VUI, K4BAI, K4II, K4IQJ,	
Marshall Islands - KX	KHØAM CQWW CW	I510	K4LNA, K4PI, K7ABV, K7RWT, K7WA, K8OQL, K9UE,	
Mauritius - 3B	ZS8MI 14050 13-1500Z Friday	I509	KA1XN, KA4YAE, KC8FS, KC9AL, KD7SO, KE7X, KE9I,	
Mayotte - FH	KX6DC 28027 0045Z	I510	KF7E, KG4O, KH6VP, KJ4BK, KJ4VH, KJ8M, KM1E, KM9J,	
Micronesia - V6	3B8CF 21028 0300Z	I510	KN4F, KN7K, KS1J, KT7H, KY2O, LA5NM, N4MM, N6CW,	
Morocco - CN	FH8CB 21300 0400Z	I509	N8AGU, NK9Y, NV8N, NX7K, NX7U, SM7PKK, TG9VT,	
Nicaragua - YN	V63AD Oct. 24-31, CQWW SSB	I505	VE1ACK, VE1YK, VE1YX, VE3CPU, W0MOX, W1CYB,	
Niger - 5U	CNØA CQWW SSB and CW	I503	W1FV, W1HH, W1JR, W5LLU, W6BJI, W6SIJ, W7AWA,	
Ogasawara - JD	YN3CB, YN3CC on 6 meters	I508	W8CT, W8MEP, WA3EEE, WA6KAA, WA7WOC, WA8LLY,	
	by Colvins from mid-November	I509	WA9AEA, WA9AQE, WB5KYK, WB5MTV, WB8SFF,	
	JD1/JHØBLI, JO1AIA Nov. 2-4	I509	WB8ZRL, WC6I, WD5F, WD9GGY, WDX9JUG, WI9Z, and	
			NCDXC. (Thanks -ed.)	